

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005005**Date Inspected:** 08-Dec-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No			
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b>	Yes	No	N/A
				<b>Delayed / Cancelled:</b>	Yes	No	N/A
<b>Bridge No:</b>	34-0006	<b>Component:</b>	OBG and SAS Tower Fabrication				

**Summary of Items Observed:**

Bay 8:

This QA performed 10% Magnetic Particle Testing(MT) of fillet welds on stiffener/flange to web plate of the following floor beams for green tagging;

- a)FB050-001B – deemed acceptable
- b)FB054-001B – deemed acceptable
- c)FB053-001A – deemed acceptable
- d)FB054-008B – deemed acceptable
- e)FB052-001B – deemed acceptable
- f)FB053-006B – deemed acceptable
- g)FB053-007A - deemed acceptable

Bay 7:

This QA performed 10% Magnetic Particle Testing(MT) of fillet welds/PJP + fillet welds on stiffener/flange to web plate of the following tower diaphragms green tagging;

- h)WSD1-SA301B/B-1~16 – Tower diaphragm 18M West, deemed acceptable
- i)WSD1-SA301A/B-1A/B, 10~17 - Tower diaphragm 18M West, deemed acceptable
- j)SSD1-SA363-1A/B, 10, 11 - Tower diaphragm 56M South, deemed acceptable

For further details regarding this test, please see my daily report TL-6028 on this day.

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

### Summary of Conversations:

No significant conversation occurred today.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Joshua Ishibashi, (858) 232-7081, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Lizardo, Joselito
----------------------	-------------------

Quality Assurance Inspector
-----------------------------

---

<b>Reviewed By:</b>	Cuellar, Robert
---------------------	-----------------

QA Reviewer
-------------